

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("6379821").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/02 09:06
S2	1	Pct/jp04/16075.pct.	US-PGPUB; USPAT	ADJ	ON	2007/10/02 09:08
S3	663	148/325.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/08 09:23
S4	99	148/909.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/08 09:34
S5	257	stainless steel and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or silicon) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT	ADJ	ON	2007/11/08 09:36
S6	145	420/61.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/08 09:40
S7	669	148/325.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/23 16:09
S8	100	148/909.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/23 16:09
S9	267	stainless steel and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or silicon) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT	ADJ	ON	2008/04/23 16:10
S10	149	420/61.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/23 16:10
S11	1	("20070074793").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/23 16:13

S12	277	stainless steel and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or silicon) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT	ADJ	ON	2008/08/27 15:32
S13	150	420/61.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/08/27 15:32
S14	673	148/325.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/08/27 15:32
S15	102	148/909.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/08/27 15:32
S16	874	S13 or S14 or S15	US-PGPUB; USPAT	ADJ	ON	2008/08/27 15:34
S17	53	S12 and S16	US-PGPUB; USPAT	ADJ	ON	2008/08/27 15:34
S18	2	"6692592"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/09 14:50
S19	3	"2003217789"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/09 15:19
S20	2	"20030217789"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/09 15:20
S21	5	"2005034790"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/09 15:24
S22	2	"20050034790"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/09 15:24
S23	8	"5232520"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/09 15:40

S24	89	(carbon or C) same (silicon or Si) same (manganese or Mn) same (phosphorus or P) same (sulfur or S) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vandium or V) same (nitrogen or N) same (oxygen or O) and seamless	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/09 15:43
S25	39	(carbon or C) same (silicon or Si) same (manganese or Mn) same (phosphorus or P) same (sulfur or S) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vandium or V) same (nitrogen or N) same (oxygen or O) and seamless and ferrit\$4 and austenit\$4 and martensit\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/09 15:43
S26	5	(carbon or C) same (silicon or Si) same (manganese or Mn) same (phosphorus or P) same (sulfur or S) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vandium or V) same (nitrogen or N) same (oxygen or O) and seamless and duplex and austenit\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/09 16:12
S27	0	("6692592").URPN.	USPAT	ADJ	ON	2009/02/09 16:21
S28	2	"20030127162"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/09 16:23
S29	92	kidani.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/11 15:03

S30	5	kidani.in. and martensit \$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/11 15:04
S31	22	amaya.in. and seamless	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/11 15:15
S32	17	amaya.in. and seamless and martensit\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/11 15:16
S33	5	("2002004009").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/12 12:23
S34	163	420/61.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/06/30 16:33
S35	692	148/325.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/06/30 16:33
S36	104	148/909.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/06/30 16:33
S37	906	S34 or S35 or S36	US-PGPUB; USPAT	ADJ	ON	2009/06/30 16:33
S38	299	stainless steel and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or silicon) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT	ADJ	ON	2009/06/30 16:33
S39	56	S38 and S37	US-PGPUB; USPAT	ADJ	ON	2009/06/30 16:33
S40	91	(carbon or C) same (silicon or Si) same (manganese or Mn) same (phosphorus or P) same (sulfur or S) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vandium or V) same (nitrogen or N) same (oxygen or O) and seamless	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/30 16:33

S41	41	(carbon or C) same (silicon or Si) same (manganese or Mn) same (phosphorus or P) same (sulfur or S) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) same (oxygen or O) and seamless and ferritic and austenitic and martensitic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/30 16:33
S42	5	(carbon or C) same (silicon or Si) same (manganese or Mn) same (phosphorus or P) same (sulfur or S) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) same (oxygen or O) and seamless and duplex and austenitic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/30 16:33
S43	906	S34 or S35 or S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/30 16:35
S44	688	stainless steel and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or silicon) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/30 16:37
S45	56	S43 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/30 16:37
S46	124	S44 and yield strength	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/30 16:37

S47	135	S44 and yield (strength or stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/06/30 16:37
S48	2	"20030057695"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/22 09:16
S49	2	"20030127162"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/22 10:00
S50	2	"20030217789"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/22 10:38
S51	2	"20050034790"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/22 10:42
S52	2	"20040140023"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/22 10:55
S53	2	"20030102058"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/22 10:56
S54	4	"6391253"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/22 12:10
S55	2	"5626694"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/22 12:11
S56	6	"5171384"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/22 13:43
S57	8	"5232520"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/22 13:48
S58	12	"3574002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/22 13:54

S59	2	"2001140040"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/25 10:43
S60	166	420/61.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/01/25 14:41
S61	702	148/325.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/01/25 14:41
S62	105	148/909.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/01/25 14:41
S63	920	S60 or S61 or S62	US-PGPUB; USPAT	ADJ	ON	2010/01/25 14:41
S64	312	stainless steel and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or silicon) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT	ADJ	ON	2010/01/25 14:41
S65	58	S64 and S63	US-PGPUB; USPAT	ADJ	ON	2010/01/25 14:41
S66	95	(carbon or C) same (silicon or Si) same (manganese or Mn) same (phosphorus or P) same (sulfur or S) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) same (oxygen or O) and seamless	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/25 14:41
S67	42	(carbon or C) same (silicon or Si) same (manganese or Mn) same (phosphorus or P) same (sulfur or S) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) same (oxygen or O) and seamless and ferrit\$4 and austenit\$4 and martensit\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/25 14:41

S68	5	(carbon or C) same (silicon or Si) same (manganese or Mn) same (phosphorus or P) same (sulfur or S) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) same (oxygen or O) and seamless and duplex and austenit\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/25 14:41
S69	920	S60 or S61 or S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/25 14:41
S70	704	stainless steel and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or silicon) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/25 14:41
S71	58	S69 and S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/25 14:41
S72	129	S70 and yield strength	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/25 14:41
S73	140	S70 and yield (strength or stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/01/25 14:41
S74	2	"7767037"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/16 09:30
S75	9	"4721600"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/16 11:01



S76	2032	420/61,69,70.ccls. or 148/325,909,592.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:16
S77	341	stainless steel and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or silicon) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT	ADJ	ON	2010/09/27 10:16
S78	3216	stainless steel and (C or carbon) same (Si or silicon) same (Mn or manganese) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:18
S79	317	S76 and S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:18
S80	239	(carbon or C) same (silicon or Si) same (manganese or Mn) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) and seamless	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:19
S81	49	S76 and S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:19

S82	90	(carbon or C) same (silicon or Si) same (manganese or Mn) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) and seamless and ferrit \$4 and austenit\$4 and martensit\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:20
S83	11	(carbon or C) same (silicon or Si) same (manganese or Mn) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) and seamless and duplex and austenit\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:20
S84	11	(carbon or C) same (silicon or Si) same (manganese or Mn) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) and seamless and duplex and austenit\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:20
S85	97	(carbon or C) same (silicon or Si) same (manganese or Mn) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) and seamless and ferrit \$4 and austenit\$4 and martensit\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:21
S86	287	(carbon or C) same (silicon or Si) same (manganese or Mn) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) and seamless	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:21

S87	43	S76 and S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:21
S88	736	stainless steel and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or silicon) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:21
S89	138	S88 and yield strength	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:21
S90	150	S88 and yield (strength or stress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/27 10:21

### EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S91	1023	420/61,69,70.ccls. or 148/325,909,592.ccls.	USPAT; UPAD	ADJ	ON	2010/09/27 10:22
S92	70	(carbon or C) same (silicon or Si) same (manganese or Mn) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) and seamless	USPAT; UPAD	ADJ	ON	2010/09/27 10:23
S93	24	S91 and S92	USPAT; UPAD	ADJ	ON	2010/09/27 10:23
S94	36	(carbon or C) same (silicon or Si) same (manganese or Mn) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) and seamless and ferrit\$4 and austenit\$4 and martensit\$4	USPAT; UPAD	ADJ	ON	2010/09/27 10:24

S95	37	(carbon or C) same (silicon or Si) same (manganese or Mn) same (chromium or Cr) same (nickel or Ni) same (molybdenum or Mo) same (vanadium or V) same (nitrogen or N) and seamless and ferrit\$4 and austenit\$4 and martensit\$4	USPAT; UPAD	ADJ	ON	2010/09/27 10:24
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9/27/2010 10:45:15 AM

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